

Title (en)

CAP FOR FORMING SEALED CAVITY AROUND FASTENER

Title (de)

KAPPE ZUR FORMUNG EINES VERSIEGELTEN HOHLRAUMS UM EIN BEFESTIGUNGSMITTEL

Title (fr)

COIFFE POUR FORMER UNE CAVITÉ SCELLÉE AUTOUR D'UNE ATTACHE

Publication

**EP 3366593 B1 20191023 (EN)**

Application

**EP 18163412 A 20120203**

Priority

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- US 201161441380 P 20110210
- GB 201108900 A 20110526
- EP 12703570 A 20120203
- GB 2012050228 W 20120203

Abstract (en)

[origin: WO2012107741A1] A joint comprising: a structure (1); and a fastener passing through the structure. The cap has a body portion (16) with an annular base terminating at an edge, the body portion forming an enclosure around an end of the fastener. The cap also has an annular flange (20) which extends outwardly from the body portion and is set back from the edge of the base so as to define a pocket between the flange and the base. A sealant is provided in the pocket (24) between the flange (20) and the base, the sealant bonding the cap to the structure via a sealant/cap interface with the cap and a sealant/structure interface with the structure. The surface area of the sealant/cap interface is greater than the surface area of the sealant/structure interface.

IPC 8 full level

**B64D 45/02** (2006.01); **F16B 33/00** (2006.01)

CPC (source: EP US)

**B64C 1/12** (2013.01 - US); **B64D 45/02** (2013.01 - EP US); **F16B 33/004** (2013.01 - EP US); **F16B 37/14** (2013.01 - EP US); **Y10T 29/49948** (2015.01 - EP US)

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